Water Quality Impacts on Reliability

Current groundwater management plans do not anticipate any decrease in water supply due to adverse water quality. Plans are to anticipate potential groundwater contaminants and respond to maintain water quality to customers and to maintain a future supply.

New wells will be located away from contaminated sources, such as the McClellan AFB. Where radon or arsenic exists at low levels, well head treatment will be applied so that federal and state standards will be met.

Table 30 - Current and Projected Water Supply Changes due to Water Quality

Water Source	2005	2010	2015	2020	2025	2030
Groundwater – projected use AF	3,400	4,160	6,550	7,790	12,910	18,030
Surface Water – projected use AF	0	1,500	3,000	5,000	5,000	5,000
Recycled Water- projected use AF	0	1,500	2,000	2,500	2,500	2,500
Groundwater – projected change percent	0	0	0	0	0	0
Surface Water – projected change percent	0	0	0	0	0	0
Recycled Water – projected change percent	0	0	0	0	0	0

Surface water will originate from initially from Folsom Lake and later from a new regional intake on the Sacramento River. Both have excellent water quality. No changes in quality are anticipated. If these supplies became contaminated, perhaps due to a spill, the result would be a regional water supply shortage, as addressed in Chapter 11, Water Shortages.